

Hysterectomy Causal Factors

The following illustration is provided for discussion with qualified computational biologists pertaining to factors that are related to hysterectomies.

Cell Alignment: For Explanation and Discussion

TNF-Alpha: TGF- Alpha (Calnexin) Density (CD-4)

Calcium - threonine - magnesium (BRCA1) **p16**

Calcium - serine - magnesium (BRCA2) **p18**

Calcium - cysteine - magnesium (BRCA3) **p19**

For Discussion:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3436948/>

TNF-Beta: TGF-Beta (Calmodulin) Motility (CD-8)

Calcium - phenylalanine - magnesium (HRas) **p21**

Calcium - tyrosine - magnesium (KRas) **p27**

Calcium - tryptophan - magnesium (NRas) **p57**

TNF-Gamma: TGF-Gamma [VEGF] (Calcineurin) Modulatory Enzyme (CD-25)

Iron - serine - Manganese

Iron - cysteine - Manganese

Iron - threonine - Manganese

These are examples of the "enzymes" that have evolved with various designations; e.g. AKT, mTOR, PTEN, NF-kB, and MYC.

In advance of these discussions, interested individuals will be required to perform bioinformatic search for the following and other factors; correlation to $TNF\beta$, $TGF\beta$, CD8 as well as studies that link HRas, NRas and KRas individually to hysterectomies.